FIG.1
CONVENTIONAL ART

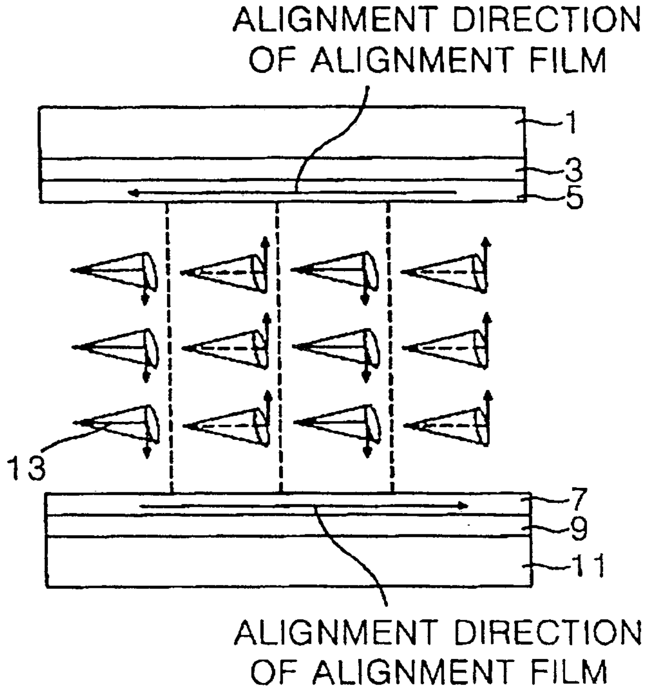

ALIGNMENT DIRECTION OF ALIGNMENT FILM
1
3
5
13
7
9
11
ALIGNMENT DIRECTION OF ALIGNMENT FILM

FIG.2
CONVENTIONAL ART

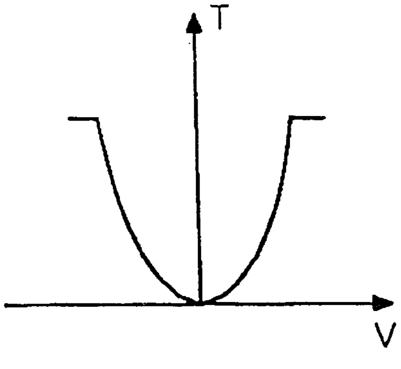


FIG.3
CONVENTIONAL ART

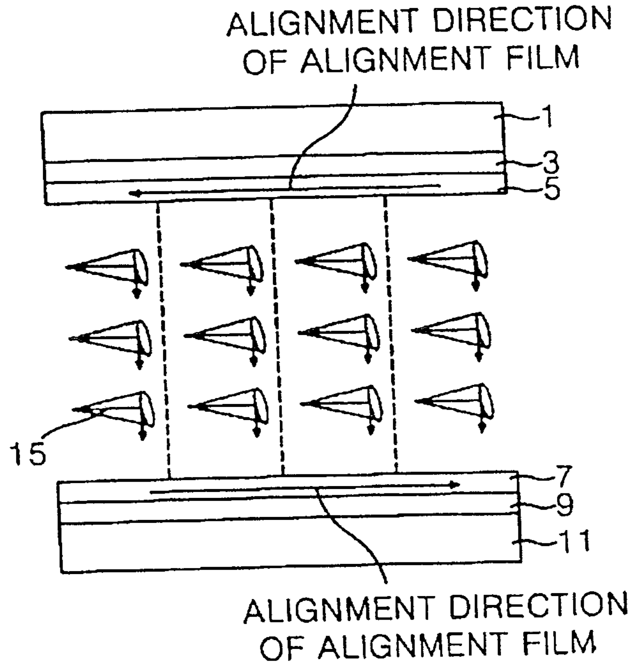

ALIGNMENT DIRECTION OF ALIGNMENT FILM
1
3
5
15
7
9
11
ALIGNMENT DIRECTION OF ALIGNMENT FILM

FIG.4
CONVENTIONAL ART

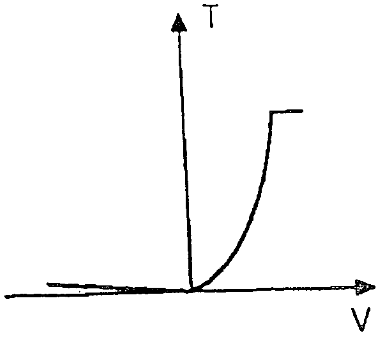


FIG.5
CONVENTIONAL ART

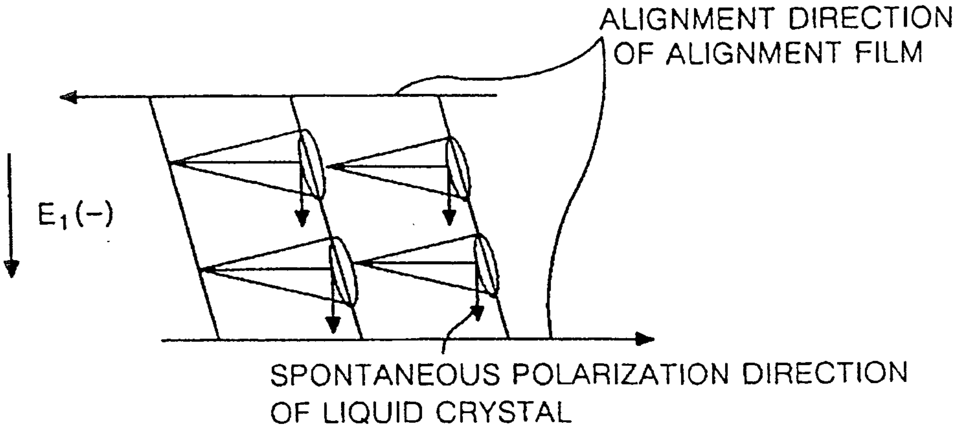

ALIGNMENT DIRECTION OF ALIGNMENT FILM
$E_1(-)$
SPONTANEOUS POLARIZATION DIRECTION OF LIQUID CRYSTAL

FIG.6
CONVENTIONAL ART

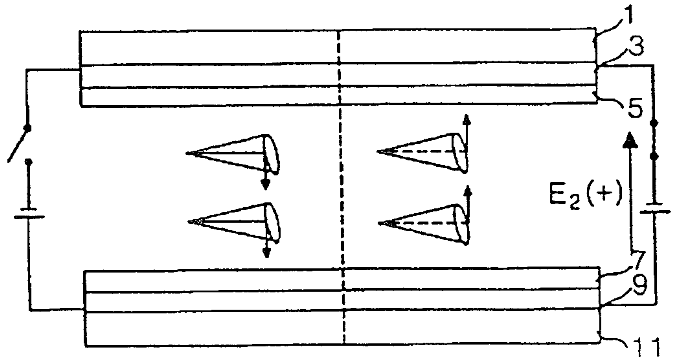


FIG. 7

CONVENTIONAL ART

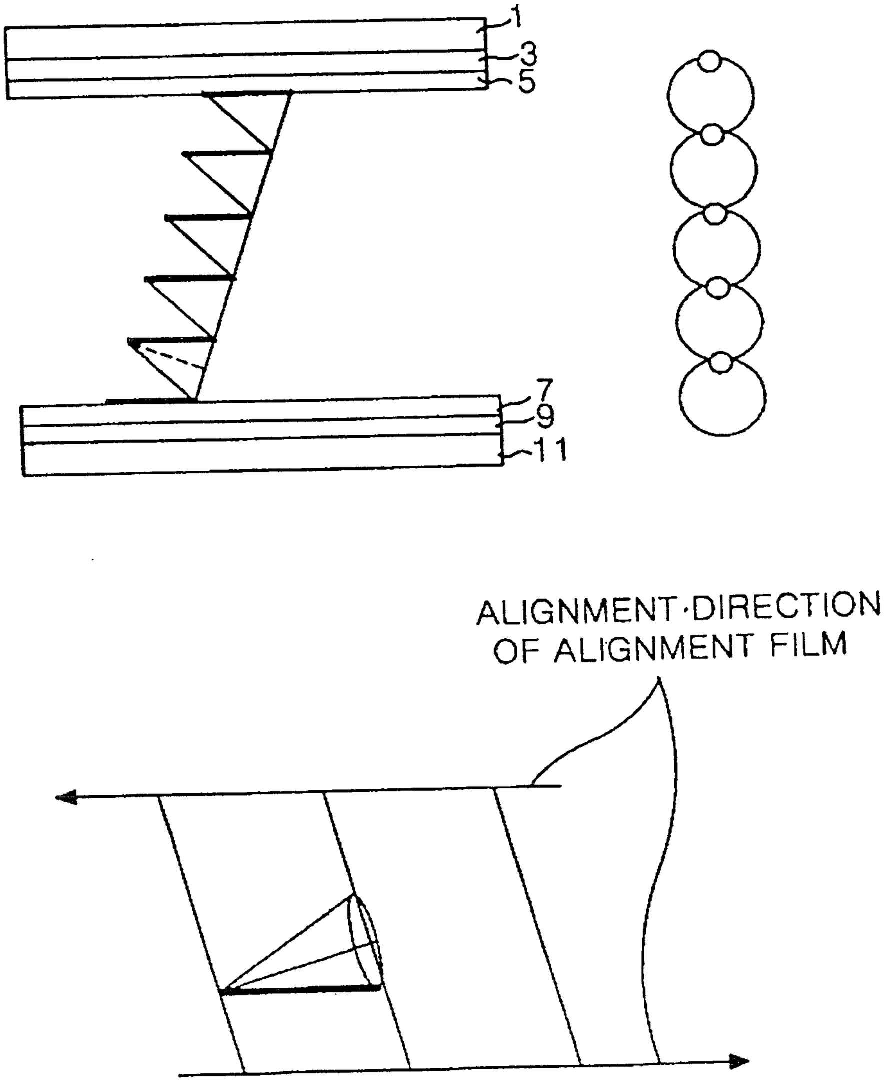


FIG. 8

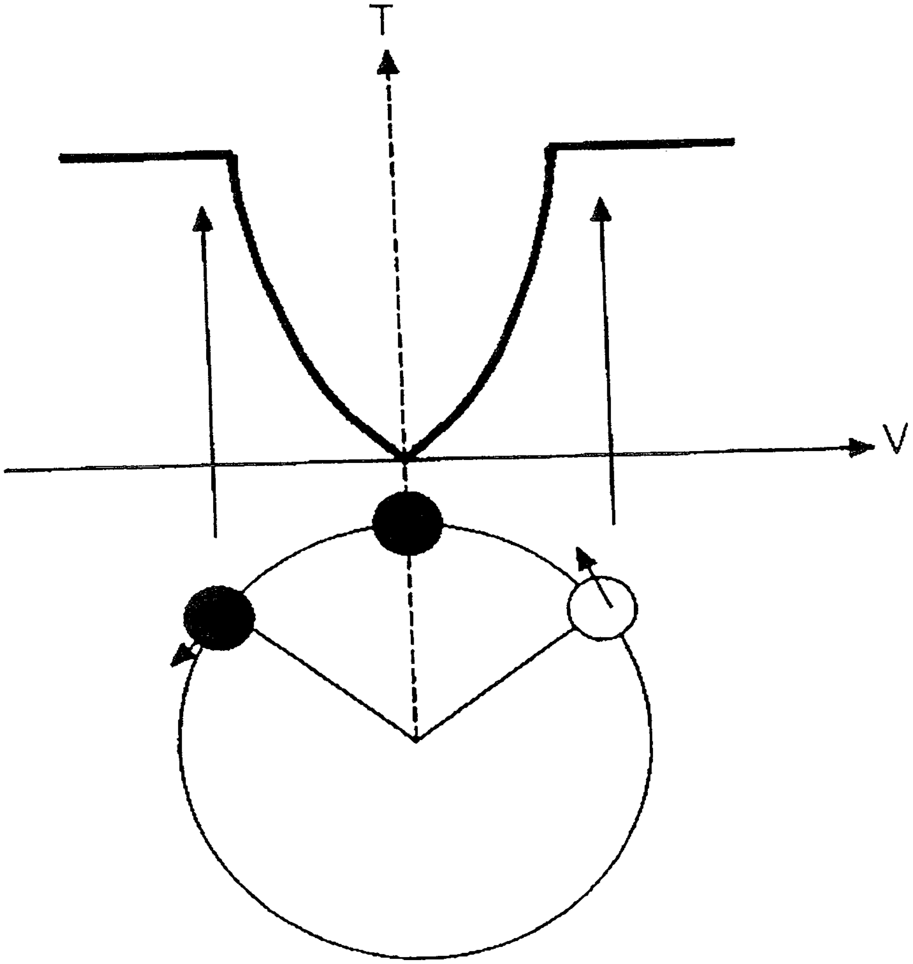


FIG.9A

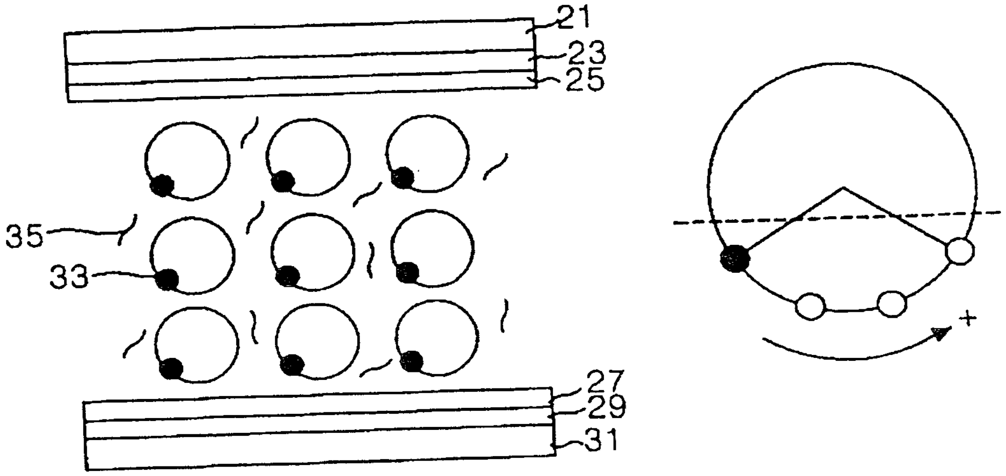


FIG.9B

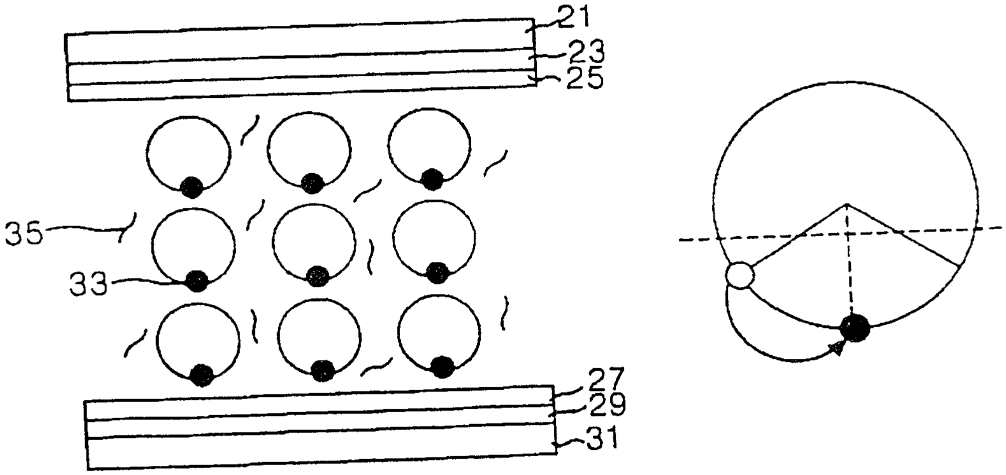


FIG.9C

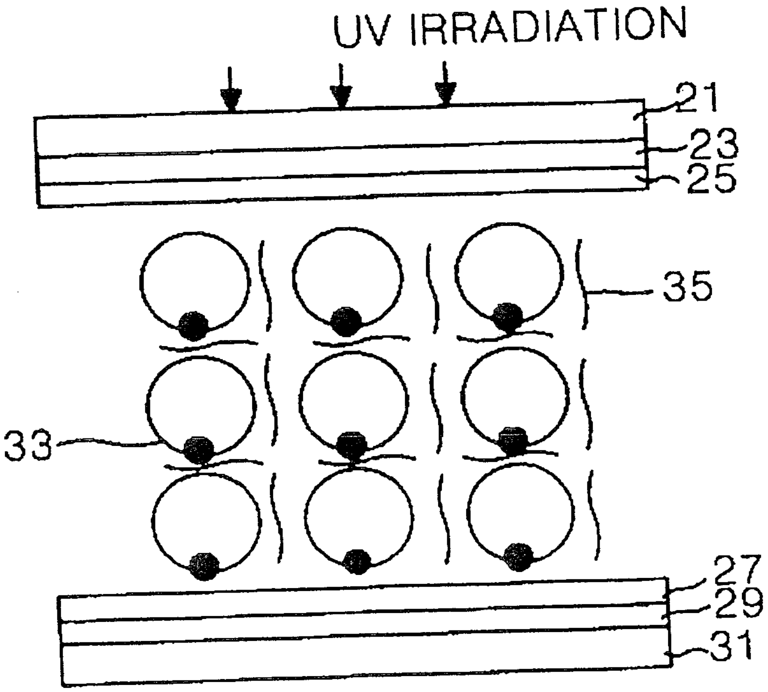
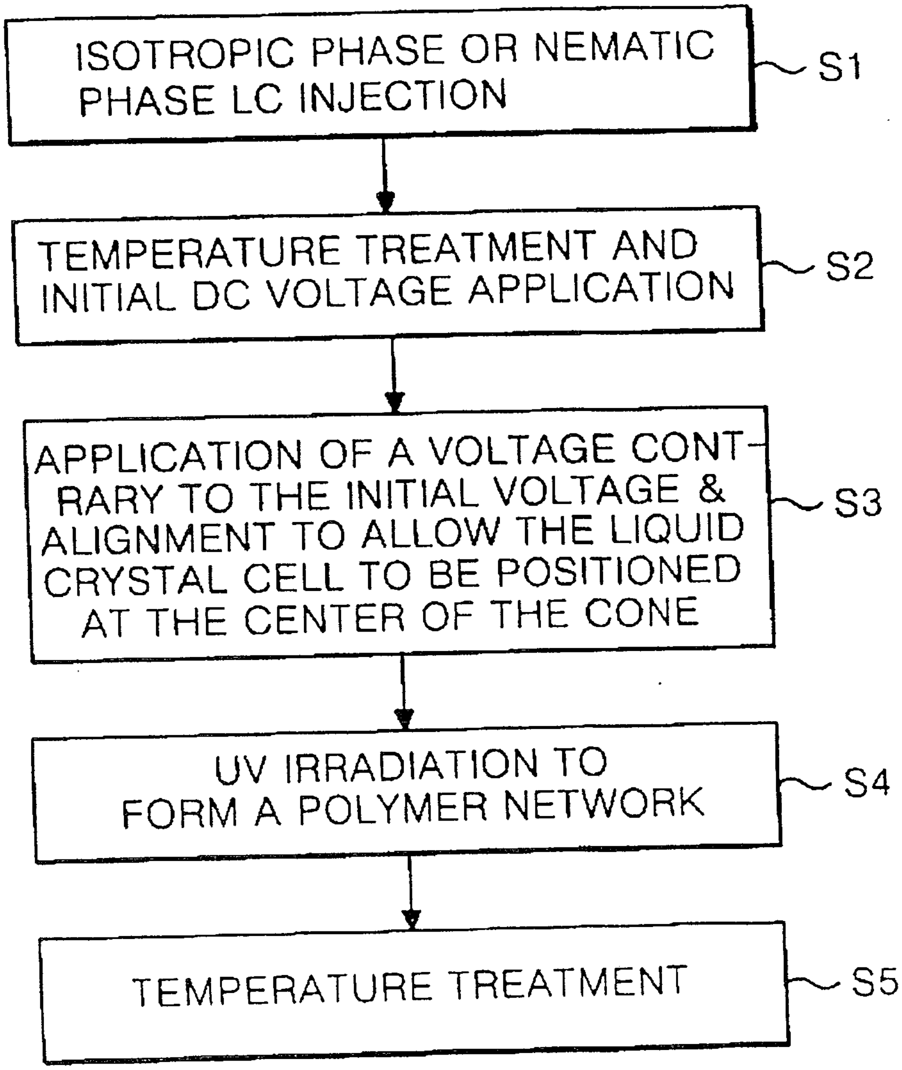


FIG.10


ISOTROPIC PHASE OR NEMATIC PHASE LC INJECTION
S1
TEMPERATURE TREATMENT AND INITIAL DC VOLTAGE APPLICATION
S2
APPLICATION OF A VOLTAGE CONTRARY TO THE INITIAL VOLTAGE & ALIGNMENT TO ALLOW THE LIQUID CRYSTAL CELL TO BE POSITIONED AT THE CENTER OF THE CONE
S3
UV IRRADIATION TO FORM A POLYMER NETWORK
S4
TEMPERATURE TREATMENT
S5